

WHAT IS CLAIMED IS

Method for Carbon Nanotube Emitter Surface Treatment

1. A method for carbon nanotube emitter surface treatment, which is used on a carbon nanotube electronics source for increasing the number of carbon nanotube exposed on a triode or any structure of CNT-FED, then the method can advance the current density and intensity of CNT emitter, the method for carbon nanotube emitter surface treatment comprising the steps of:
coating an adhesive material on the surface of said CNT-FED;
heating said adhesive material for adhibitting the surface; and
lifting said adhesive material off.
2. The method for carbon nanotube emitter surface treatment as recited claim 1, wherein said adhesive material is a hot melt glue or a soluble material, organic material, inorganic material and strippable material.
3. The method for carbon nanotube emitter surface treatment as recited claim 1, wherein said adhesive material sticks on said carbon nanotube electronics source.
4. The method for carbon nanotube emitter surface treatment as recited claim 3, wherein said carbon nanotube electronic source is set between a cathode plate and a gate existed in said triode structure.
5. A method for carbon nanotube emitter surface treatment, which is

used on a carbon nanotube electronics source for increasing the number of carbon nanotube exposed on a triode or any structure of CNT-FED, then the method can advance the current density and intensity of CNT emitter, the method for carbon nanotube emitter
5 surface treatment comprising the steps of:

coating an activator on the surface of said CNT-FED;
coating an adhesive material on said activator;
pressing said adhesive material for adhibitting the surface; and
lifting said adhesive material off.

- 10 6. The method for carbon nanotube emitter surface treatment as recited claim 5, wherein said activator is an interface activator , surfactant or a release agent.
7. The method for carbon nanotube emitter surface treatment as recited claim 5, wherein said adhesive material is a hot melt glue
15 or a soluble material, organic material, inorganic material and strippable material.
8. The method for carbon nanotube emitter surface treatment as recited claim 5, wherein said step of pressing said adhesive material for adhibitting the surface is achieved by a pressing
20 machine.
9. The method for carbon nanotube emitter surface treatment as recited claim 5, wherein said adhesive material sticks on said carbon nanotube electronics source.

10. The method for carbon nanotube emitter surface treatment as recited claim 9, wherein said carbon nanotube electronic source is set between a cathode plate and a gate existed in said triode structure.